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(54) Method for estimating or simulating parameters of a stratum structure

(57) The present invention provides for a method for estimating or simulating one or more parameters of a stratum structure, comprising the steps of:

- determining a first model of the stratum structure;
- determining one or more variograms of one or more parameters in one or more of the strata;
- measuring the value of a parameter in a number of points;
- estimating on the basis of a variogram a probability density function (PDF) of the parameter at locations in the strata close to or at some distance from the locations where the parameter has been measured; and
- determining by using seismic data an acceptable value of the parameter at the location where the probability density function of the parameter has been determined using a variogram.

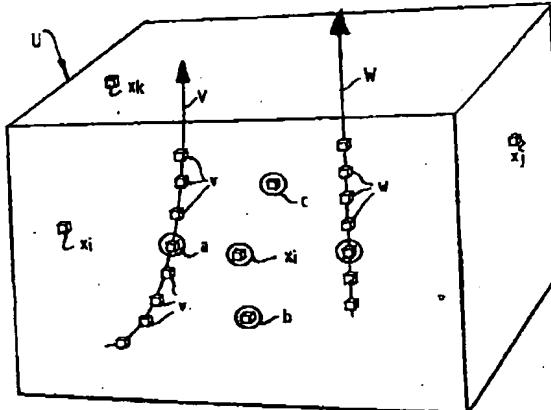


FIG.1

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EUROPEAN SEARCH REPORT

Application Number
EP 98 20 0712

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The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
THE HAGUE	26 October 2000		Lorne, B
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			



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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 98 20 0712

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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